

Amendments to the Claims

Claim 1 (Cancelled)

Claim 2 (**Currently Amended**) A mobile radio having an antenna equipped for receiving and transmitting radio waves, said mobile radio comprising:

- a base plate for providing a ground level;
- a built-in antenna which is disposed on said base plate; and
- a case defining an outer appearance of said mobile radio, said case being formed in accordance with a shape of said built-in antenna, wherein

said built-in antenna is provided with a supply portion at an upper end thereof when said mobile radio is in a standing position, and is disposed so that a space between said built-in antenna and said base plate decreases from said upper end to a lower end,

said built-in antenna is an antenna of a planar configuration, and is slanted so that the space between said built-in antenna and said base plate is larger at said upper end than at said lower end, and

said case is formed smoothly in accordance with the slant of said built-in antenna,
said base plate comprises an antenna-housing base plate on which said built-in antenna is disposed, and a circuit base plate which is a remainder of said base plate, and
said antenna-housing base plate and said circuit base plate are not aligned on a same plane.

Claim 3 (**Currently Amended**) A mobile radio having an antenna equipped for receiving and transmitting radio waves, said mobile radio comprising:

- a base plate for providing a ground level;
- a built-in antenna which is disposed on said base plate; and
- a case defining an outer appearance of said mobile radio, said case being formed in accordance with a shape of said built-in antenna, wherein

said built-in antenna is provided with a supply portion at an upper end thereof when said mobile radio is in a standing position, and is disposed so that a space between said built-in antenna and said base plate decreases from said upper end to a lower end,

said built-in antenna comprises a plurality of planes, and the plurality of planes are structured as steps so that the space between said built-in antenna and said base plate is larger at said upper end than at said lower end, ~~and~~

said case is formed so as to have a smooth envelope accommodating corners of said plurality of planes of said built-in antenna,

said base plate comprises an antenna-housing base plate on which said built-in antenna is disposed, and a circuit base plate which is a remainder of said base plate, and

said antenna-housing base plate and said circuit base plate are not aligned on a same plane.

Claim 4 (Previously Presented) The mobile radio according to claim 2, wherein

said built-in antenna is a planar inverted F antenna including an antenna element, a supply connection member to which a predetermined voltage is supplied, and a short-circuiting connection member which is grounded to said base plate, and said supply connection member and said short-circuiting connection member are disposed on said upper end.

Claim 5 (Previously Presented) The mobile radio according to claim 3, wherein

said built-in antenna is a planar inverted F antenna including an antenna element, a supply connection member to which a predetermined voltage is supplied, and a short-circuiting connection member which is grounded to said base plate, and said supply connection member and said short-circuiting connection member are disposed on said upper end.

Claim 6 (Previously Presented) The mobile radio according to claim 2, further comprising a shield provided between said built-in antenna and said base plate.

Claim 7 (Original) The mobile radio according to claim 6, wherein

said built-in antenna is fixed by a support base which is disposed on said shield.

Claim 8 (Cancelled)

Claim 9 (**Previously Presented**) The mobile radio according to claim 2, wherein

said case comprises a first section which houses said built-in antenna, and a second section which is a remainder of said case, and said built-in antenna is previously attached to the first section.

Claims 10-13 (**Cancelled**)

Claim 14 (**Currently Amended**) The mobile radio according to claim ~~2~~¹², wherein

said antenna-housing base plate and said circuit base plate are electrically connected to each other via a side wall.

Claim 15 (**Currently Amended**) The mobile radio according to claim ~~2~~¹², further comprising

a slit provided in a vicinity of a junction between said antenna-housing base plate and said circuit base plate.

Claim 16 (**Previously Presented**) The mobile radio according to claim 15, wherein

a length of said slit is a 1/4 wavelength of any desired resonant frequency.

Claim 17 (**Previously Presented**) The mobile radio according to claim 2, further comprising a dielectric material, wherein

the space between said built-in antenna and said base plate is partially or entirely filled with said dielectric material.

Claim 18 (**Currently Amended**) The mobile radio according to claim ~~3~~¹², further comprising a dielectric material, wherein

a space between said built-in antenna and said base plate is partially or entirely filled with said dielectric material.

Claims 19 and 20 (**Cancelled**)

Claim 21 (**Currently Amended**) The mobile radio according to claim 2-19, wherein

said built-in antenna includes short-circuiting connection members which are grounded to said base plate, and determine, respectively, a first resonant frequency band and a second resonant frequency band, and either of the first or second resonant frequency bands is selectively covered by controlling conduction for said short-circuiting connection members, and
said built-in antenna resonates with at least two frequencies.

Claim 22 (**Currently Amended**) The mobile radio according to claim 3-20, wherein

said built-in antenna includes short-circuiting connection members which are grounded to said base plate, and determine, respectively, a first resonant frequency band and a second resonant frequency band, and either of the first or second resonant frequency bands is selectively covered by controlling conduction for the short-circuiting connection members, and
said built-in antenna resonates with at least two frequencies.

Claim 23 (**Currently Amended**) The mobile radio according to claim 2-19, wherein

said built-in antenna includes an antenna element, a slot, and a short-circuiting connection member which is grounded to said base plate and said slot, and determine, respectively, a first resonant frequency band and a second resonant frequency band, and by an action of said antenna element and said slot, the first and second resonant frequency bands are covered at a same time, and
said built-in antenna resonates with at least two frequencies.

Claim 24 (**Currently Amended**) The mobile radio according to claim 3-20, wherein

said built-in antenna includes an antenna element, a slot, and a short-circuiting connection member which is grounded to said base plate and said slot, and determine, respectively, a first resonant frequency band and a second resonant frequency band, and by an action of said antenna element and said slot, the first and second resonant frequency bands are covered at a same time, and
said built-in antenna resonates with at least two frequencies.

Claim 25 **(New)** The mobile radio according to claim 3, further comprising
a shield provided between said built-in antenna and said base plate.

Claim 26 **(New)** The mobile radio according to claim 25, wherein
said built-in antenna is fixed by a support base which is disposed on said shield.

Claim 27 **(New)** The mobile radio according to claim 3, wherein
said case comprises a first section which houses said built-in antenna, and a second section
which is a remainder of said case, and said built-in antenna is previously attached to the first section.

Claim 28 **(New)** The mobile radio according to claim 3, wherein
said antenna-housing base plate and said circuit base plate are electrically connected to each
other via a side wall.

Claim 29 **(New)** The mobile radio according to claim 3, further comprising
a slit provided in a vicinity of a junction between said antenna-housing base plate and said
circuit base plate.

Claim 30 **(New)** The mobile radio according to claim 29, wherein
a length of said slit is a $1/4$ wavelength of any desired resonant frequency.